Streamlined Information System Deployment
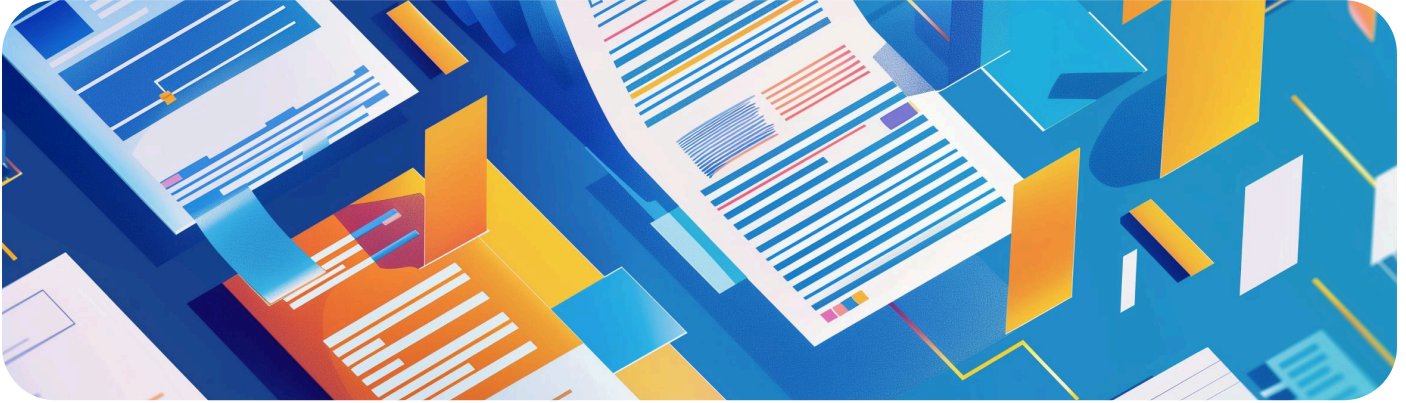

Project type	Expertise	Engagement	Project duration	Challenge duration	Prize
MVP	Software	24 teams	7 months	2 months	10 000€

This challenge for Asseco Berit explored how to make the SAMO system easier to use and onboard new customers. By utilizing AI technologies combined with intuitive user interfaces, solvers proposed their vision of a modern information system setup.

Who is the seeker?

Asseco BERIT is the competence center for strategic and operational asset management, GIS, workforce management and online portals within the globally active Asseco Group. In Germany, Austria and the neighboring countries, they implement projects for commercial and government customers.

What is the problem?

SAMO, the backbone of asset and project management, is in need of a smoother setup process. Currently, the process can be a bit tricky, with various components needing careful configuration. SAMO offers a range of customizable tools, meeting the needs of both public and private sectors. However, setting up SAMO involves significant back-and-forth, as detailed specifications are translated into metadata files and individual views are built accordingly. This process can be time-consuming and complex, especially for smaller organizations.

What's the Challenge?

The objective is to simplify the setup process of SAMO system. We were searching for a solution that could automate the translation of specifications into configurations, using technologies such as AI translators, chatbots, or intuitive text editors.

Challenge Design

In designing the open-innovation challenge for our client, we began by collaborating closely to understand their strategic goals and the specific problem areas they wanted to address. Through a series of workshops and consultations, we formulated a challenge assignment that was both ambitious and aligned with the client's business objectives. Challenge description, or in other words the brief published on Noove platform was created after where we outlined the structure and information presented bellow.

The process started with carefully selected focus areas that align with both the problem at hand and the expertise needed to deliver solutions. For this particular challenge, we identified Machine Learning, Web Technologies and API integrations, Java, and Databases as key focus areas, based on the preferences and needs of the Seeker (Asseco Berit).

We have marketed this challenge towards a target audience of young programmers - generally male high school to university students, previous hackathon participants, with either professional or academic backgrounds in computer science. The hypothesis was that such students would naturally gravitate toward managing a team with people with expertise in various fields e.g. UI/UX design, frontend/ backend development, etc.

Deliverables and requirements

The target was to submit source code as well as documentation wrapped in a PDF document containing detailed research and actionable advice tailored to the challenge seeker's needs.

The solution requirements included creating a user-friendly platform allowing to set up and manage SAMO project structures, define the LIDS data model for the underlying database, and configure GUI components.

Judging criteria

Time from description to metadata	25 pts
Accuracy of converted output	25 pts
Versatility of conversion	25 pts
Ease of use / UX	15 pts
Integrability	10 pts
Total	100 pts

Outcomes

Spanning two months, the challenge and its marketing campaign attracted more than 2300 new users to the Noove platform. That resulted in the formation of 24 teams that worked on submitting a solution. Solvers generally met the predicted "ideal solver profile", being mostly students of European universities and previous hackathons participants. Although the majority of the solvers came from the CEE region,

This challenge ended on 31st of August 2024 23:59 CET. The teams had an additional 7 days for revisions and improvements to their solutions based on the feedback we provided them. As mentioned above, all of the delivered submissions were pre-screened and awarded points based on the outlined criteria. Later the seeker had a chance to evaluate the solutions internally and pick the winner.

The winning solution submitted by a 4 member team is a standalone web platform for converting text specifications into SAMO project metadata and it fulfills the criteria set by the seeker. The unique benefits of this solution are:

1. Usage of the newest GPT-4o model for analyzing the project specification and generating SAMO configuration files. By using the structured output feature of the model, the team ensured that the outputs are consistent with the SAMO configuration file structure.
2. Easy to use interface, even with a video tutorial available right on the website.
3. Modern tech stack, using Node.js for backend and Prisma ORM, enabling integration with different databases.
4. Inclusion of user management features like registration, login and password reset.
5. The Homepage for the application, opens up the possibility of launching it as a standalone website.

Results and Impact

The winning team managed to create a standalone system that manages to convert business documentation into SAMO configuration in under 1 minute, which shows significant improvement compared to prior methods that lasted even several days or weeks.

According to the information available to us, the feedback from the Seeker, and the demo application provided, we think that this solution successfully showcases the generation of SAMO configuration files in the form of a full-fledged and standalone web application.

The seeker of the challenge should be able to leverage the technology developed in this solution and integrate it into their system (potentially in partnership with the solver team) for use by their customers.

Project Timeline Overview

Client Mandays
5 MD

Problem to delivery
4 months

PD - 2 months

CD - 2 months

CDu - 2 months

JIP - 1 month

Problem definition - Outline of the specific problem that the project aims to solve. This sets the foundation for the entire project; **Challenge design** - Development of the challenge structure including the brief, objectives, and criteria for judging and success; **Challenge duration** - The time frame for participants to work on and submit their solutions to the challenge; **Judging & IP transfer** - Evaluation of the submitted solutions based on predefined criteria, winners selection, and handling the transfer of intellectual property rights;

Client testimonial

Votjěch Kallab
Asseco Stakeholder

Guys from Noove enabled us to see how the complex setup of the SAMO software could be simplified, shortened and made more user-friendly. The actual time from business documentation to setup went down from 2 weeks to just few minutes. All that in a form of a standalone PoC.

Solver testimonial

Matúš Koleják
Challenge Winner

Participating in the challenge SAMO challenge was an inspiring and enriching experience. The format encouraged me to surround myself with a team of people thinking and fostered collaboration among participants. It really pushed us to explore creative yet still effective solutions. I'd definitely join a similar challenge again!

Start your innovation journey today!

Noove is an open innovation crowdsourcing platform which aims to disrupt market leaders by empowering the young unheard talent. We are creating a world where your background does not condition the size of your impact.

Adam Bednář
Co-Founder and CEO

adam.bednar@trynoove.com

+421 944 371 536